

SYSTEM AND METHOD FOR A LITHOTRIPTER

ABSTRACT OF THE DISCLOSURE

A system and method for a lithotripter is provided. The system can include a shockwave
5 generator and an ultrasonic transmitting/receiving unit, which are in communication with an
evaluating unit. The transmitting/receiving unit can include an ultrasonic transducer that emits
ultrasonic pulses and receives ultrasonic waves reflected from a target area of the shockwave
generator. The evaluating unit can determine a correlation coefficient of the time correlation
between the ultrasonic waves and the ultrasonic pulses and provide a signal related to the
10 coefficient. The method can include emitting ultrasonic pulses from the transducer into a body,
receiving the ultrasonic waves reflected from a target object in the body, evaluating the received
ultrasonic waves with the evaluating unit to determine the correlation coefficient, and providing a
signal related to the correlation coefficient.